

Reobrix 22005

Reobrix Fire Engine Truck Building Blocks Set 22005 Instruction Manual

Model: 22005

1. INTRODUCTION

This manual provides essential information for the assembly, operation, and maintenance of your Reobrix Fire Engine Truck Building Blocks Set 22005. This advanced building set features 3047 pieces, allowing for the construction of a detailed and functional remote-controlled fire engine model. Designed for individuals aged 14 and up, it offers an engaging experience in mechanical engineering and remote control technology.



Image 1.1: The Reobrix Fire Engine Truck Building Blocks Set 22005, showcasing its detailed design and scale.

2. SAFETY INFORMATION

Please read and understand all safety warnings before assembly and operation to prevent injury or damage to the product.

- **Choking Hazard:** This set contains small parts and is not suitable for children under 3 years of age. Keep all components away from infants and young children.
 - **Age Recommendation:** Recommended for ages 14 and up due to complexity and small components.
 - **Battery Safety:** Use only recommended batteries. Do not mix old and new batteries, or different types of batteries. Insert batteries with correct polarity. Remove batteries if the product will not be used for an extended period.
 - **Electrical Components:** Handle electronic components with care. Avoid exposure to water or extreme temperatures.
 - **Supervision:** Adult supervision is recommended during assembly and operation, especially for younger users within the recommended age range.
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3. PACKAGE CONTENTS

Verify that all components are present before beginning assembly. The package should contain:

- 3047 Building Block Pieces
- Remote Control Unit
- Detailed Paper Assembly Instructions Manual
- Electronic Components (motors, battery box, etc.)

If any parts are missing or damaged, please contact Reobrix customer support for assistance.

4. ASSEMBLY INSTRUCTIONS

The Reobrix Fire Engine Truck Building Blocks Set 22005 is a complex model with 3047 pieces. Detailed, step-by-step assembly instructions are provided in the comprehensive paper manual included with your set. Please follow these instructions carefully.

1. **Preparation:** Organize all building blocks by type and color to facilitate the assembly process. A large, clear workspace is recommended.
2. **Follow Manual:** Refer to the included paper instruction manual for precise assembly steps. Each step is illustrated to guide you through the construction.
3. **Electronic Integration:** Pay close attention to the steps involving the integration of electronic components (motors, wiring, battery box) to ensure proper functionality.
4. **Testing:** Periodically test movable parts during assembly to ensure they function correctly before proceeding to subsequent steps.



Image 4.1: A person engaging in the assembly of the Reobrix Fire Engine Truck, highlighting the hands-on building experience.

5. SETUP

Before operating your Reobrix Fire Engine Truck, ensure proper setup of the power source and control mechanisms.

5.1 Battery Installation

- **Model:** Install the required batteries into the model's battery box, ensuring correct polarity. The battery quick-release design allows for easy access.
- **Remote Control:** Install the necessary batteries into the physical remote control unit.

5.2 APP Remote Control Pairing

The model supports mobile APP Bluetooth remote control for extended functionality.

1. **Download APP:** Download the official Reobrix control APP from your device's app store.

2. **Power On:** Ensure the fire engine model is powered on.
3. **Bluetooth Pairing:** Open the APP on your mobile device and follow the on-screen instructions to pair with the fire engine via Bluetooth. The control range is approximately 30 meters.

6. OPERATING INSTRUCTIONS

Your Reobrix Fire Engine Truck offers dual operation modes: via the physical 2.4GHz remote control or the mobile APP. Familiarize yourself with the controls for each mode to utilize the full range of functions.

6.1 General Movement

- Use the directional controls on either the physical remote or the APP interface to move the truck forward, backward, left, and right.
- The dual-axle 4-wheel steering provides precise maneuverability.

6.2 Ladder Functions

The fire engine's ladder system is fully functional and can be controlled remotely.

- **Lifting/Retracting:** Controls allow the ladder to be raised and lowered.
- **Extending/Retracting:** The ladder can be extended outwards and retracted inwards.
- **360° Rotation:** The ladder base can rotate 360 degrees for versatile positioning.
- **Platform Pitch:** Adjust the angle of the ladder platform.



Image 6.1: Illustration of the motorized elevating and extending ladder mechanism.

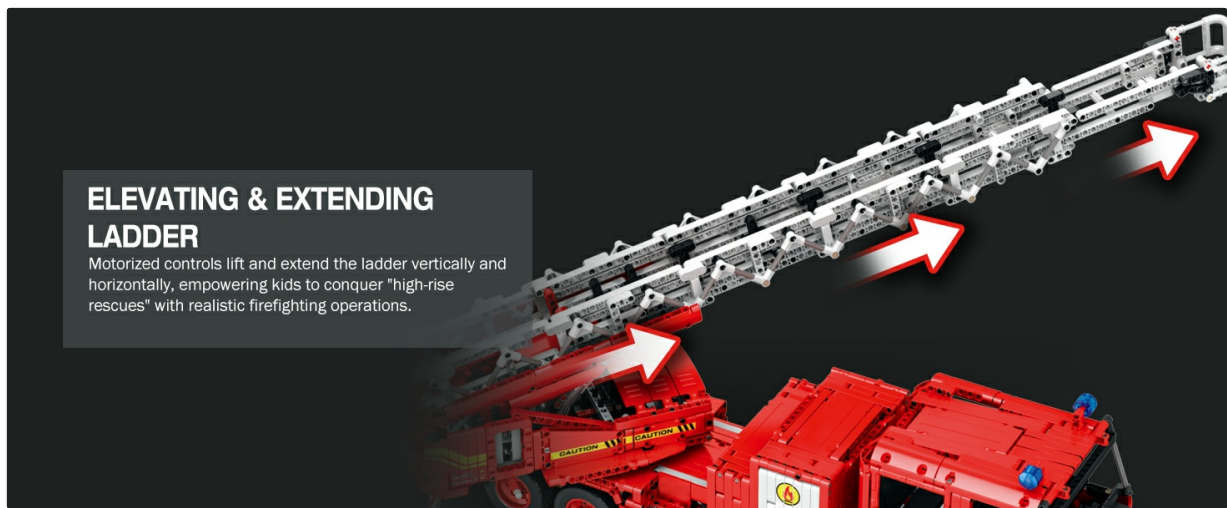


Image 6.2: Illustration of the 360-degree rotating ladder base.

6.3 Stabilizer Legs

The truck is equipped with retractable stabilizer legs for enhanced stability during ladder operation.

- Use the designated controls on the remote or APP to deploy or retract the stabilizer legs.

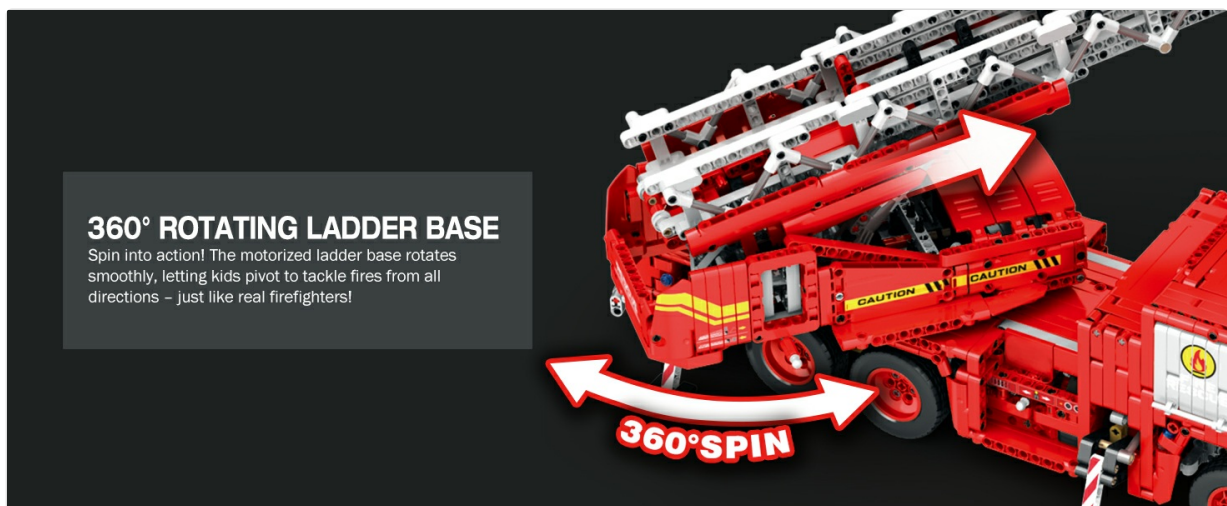


Image 6.3: Illustration of the retractable stabilizer legs.

6.4 Headlights

- The headlights can be switched on and off via the remote control.



Image 6.4: Close-up of the front of the fire engine, highlighting the dual-axle steering and functional headlights.

6.5 Transfer Case Mode Switching

- Utilize the transfer box to switch between different action modes, simulating real rescue vehicle operations. Refer to the assembly manual for specific mode details.

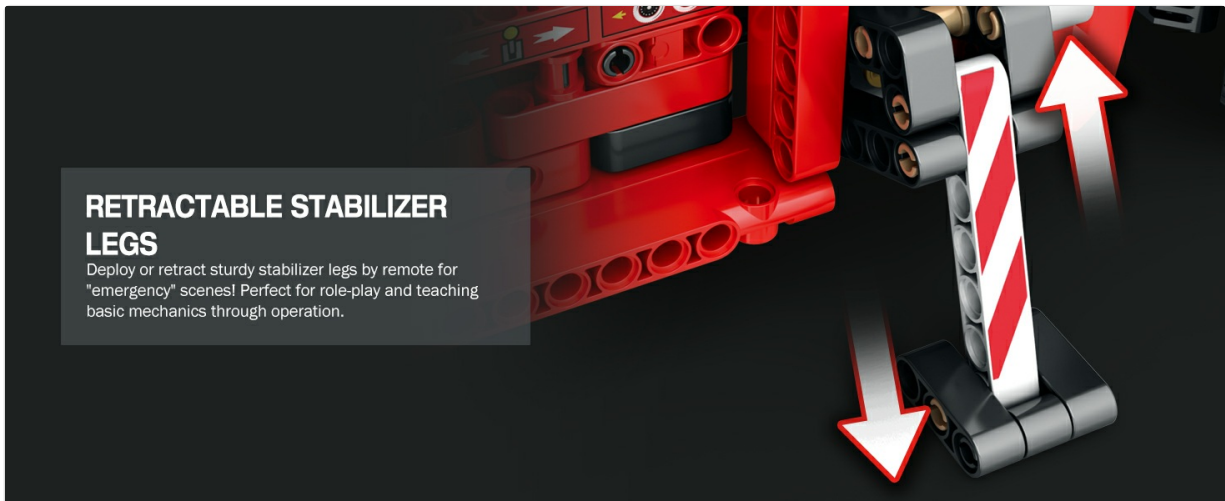


Image 6.5: Illustration of the transfer case mechanism for switching operational modes.

6.6 Manual Features

- The model includes manually opening doors (4 realistic doors) and 2 storage compartments.



TRANSFER CASE MODE SWITCHING

Shift mode to realize different function to conquer any task, letting kids explore engineering logic while boosting problem-solving skills.

Image 6.6: Close-up of the fire engine's cabin, demonstrating the manual opening doors.

6.7 Product Video

Your browser does not support the video tag.

Video 6.7: An official product video demonstrating the various remote-controlled functions of the Reobrix Fire Engine Truck Building Blocks Set 22005, including ladder movement, steering, and stabilizer deployment.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Reobrix Fire Engine Truck.

- **Cleaning:** Use a soft, dry cloth to gently wipe down the model. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the model in a cool, dry place away from direct sunlight and extreme temperatures. Keep it protected from dust.
- **Battery Removal:** If the model will not be used for an extended period, remove all batteries from both the truck and the remote control to prevent leakage.
- **Component Check:** Periodically inspect all connections and moving parts to ensure they are secure and free from obstruction.

8. TROUBLESHOOTING

If you encounter issues with your Reobrix Fire Engine Truck, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Truck does not power on.	Batteries are dead or incorrectly installed.	Replace batteries in the model and remote control. Ensure correct polarity.
Remote control not responding.	Remote control batteries are low or not paired.	Replace remote control batteries. Re-pair the remote control or APP with the model.

Problem	Possible Cause	Solution
Ladder functions are sluggish or not working.	Low battery power or obstruction in the mechanism.	Ensure batteries are fully charged. Check for any physical obstructions in the ladder gears or joints.
APP connection issues.	Bluetooth not enabled or out of range.	Ensure Bluetooth is enabled on your device. Move closer to the model. Restart the APP and model.

If the problem persists after attempting these solutions, please contact Reobrix customer support.

9. SPECIFICATIONS

- **Model Number:** 22005
- **Brand:** Reobrix
- **Number of Pieces:** 3047
- **Product Dimensions (Assembled):** 27.95 x 7.87 x 10.24 inches (71 x 20 x 26 cm)
- **Item Weight:** 4.51 pounds (2.05 kg)
- **Control Method:** Mobile APP Bluetooth Remote Control (30m range) and 2.4GHz Physical Remote Control
- **Recommended Age:** 14 years and up
- **Material:** High-quality ABS plastic

MECHANICAL



NO.22005



NO.22012



NO.22021



NO.22008



NO.22022

Image 9.1: Diagram illustrating the dimensions of the assembled Reobrix Fire Engine Truck 22005.

10. WARRANTY AND SUPPORT

Reobrix is committed to providing high-quality products. If you encounter any issues with your Reobrix Fire Engine Truck Building Blocks Set 22005, including missing parts or functional problems, please contact our customer support team.

- **Missing Parts:** In the event of missing components, please provide details of the missing parts, and we will arrange for replacements to be sent as soon as possible.
- **Technical Support:** For operational or technical assistance, our support team is available to help troubleshoot and resolve any concerns.

Please retain your proof of purchase for warranty claims.

